

Title (en)
LIGHT-SENSITIVE POSITIVE MIXTURE CONTAINING A DYE, AND LIGHT-SENSITIVE POSITIVE REGISTRATION MATERIAL PREPARED THEREFROM

Publication
EP 0314037 A3 19901031 (DE)

Application
EP 88117655 A 19881024

Priority
DE 3736758 A 19871030

Abstract (en)
[origin: EP0314037A2] A positive light-sensitive mixture contains a light-sensitive compound either of the o-quinone diazide type or a photolytic acid donor in combination with a compound containing a C-O-C grouping, a binder which is soluble or swellable in aqueous alkaline solution, and a dye which absorbs at a wavelength of $\lambda = 365 \pm 15$ nm of the general formula I <IMAGE> The light-sensitive mixture according to the invention has a higher light sensitivity than comparable mixtures containing other dyes.

IPC 1-7
G03F 7/02

IPC 8 full level
G03C 1/72 (2006.01); **G03C 1/00** (2006.01); **G03F 7/004** (2006.01); **G03F 7/022** (2006.01); **G03F 7/09** (2006.01); **G03F 7/20** (2006.01); **H01L 21/027** (2006.01)

CPC (source: EP KR)
G03C 1/72 (2013.01 - KR); **G03F 7/091** (2013.01 - EP)

Citation (search report)
• [Y] US 3307943 A 19670307 - BERNARD HEIART ROBERT
• [Y] PATENT ABSTRACTS OF JAPAN, Band 11, Nr. 68 (P-553)[2515], 28. Februar 1987, Seite 97 P 553; & JP-A-61 231 541 (NIPPON SEIHAKU K.K.) 15-10-1986
• [A] JOURNAL OF THE ELECTROCHEMICAL SOCIETY, Band 134, Nr. 6, Juni 1987, Seiten 1586-1587, Manchester, New Hampshire, US; C.L. RENSCHLER et al.: "Curcumin as a positive resist dye optimized for g- and h-line exposure"

Cited by
EP0573220A3; EP0803777A1; US5939510A; US6087068A

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